Electronic Acknowledgement Receipt				
EFS ID:	3221436			
Application Number:	10720962			
International Application Number:				
Confirmation Number:	5214			
Title of Invention:	Magnetic tunnel junction with improved tunneling magneto-resistance			
First Named Inventor/Applicant Name:	Stuart Stephen Papworth Parkin			
Customer Number:	55508			
Filer:	Joseph Curtin			
Filer Authorized By:				
Attorney Docket Number:	ARC920030058US1			
Receipt Date:	28-APR-2008			
Filing Date:	24-NOV-2003			
Time Stamp:	18:44:58			
Application Type:	Utility under 35 USC 111(a)			

# Payment information:

Submitted with Payment	no
------------------------	----

# File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment After Final	Amendment After Final ARC920030058US1Respo	1203945	no	1
7 Milenament Alter Final	setofinalOfficeAction.pdf	7bb999bc48bbb3841e02ee5f8613ae1b d1e3d487			

w	9r	n	ın	^	e	•
W	aı	•••	•••	y	3	•

# Information:

2 Claims	ARC920030058US1Respon setofinalOfficeActionClaims. pdf	1203837	no	7	
		3f4b4fefe56bb376ec59780eb1b525f13 a4c51c5			
Warnings:					
Information	:				
Applicant Arguments/Remarks Made in an Amendment	ARC920030058US1Respon setofinalOfficeActionArgs.pdf	1203620	no	11	
		61241b6ba31aa9419d8b591ecd92894 1107d90a2			
Warnings:					
Information	:				
		Total Files Size (in bytes):	3611402		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

## National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.